

ABSTRACT OF THE DISCLOSURE

[0032] An active assembly apparatus of planar lightguide circuit is described. The active assembly apparatus has an optical signal generating and receiving device, a feedback control device, and at least one displacement device made of piezoelectric substrate. The optical signal generating and receiving device connects to a transmitting core in a planar lightguide circuit to transmit optical signals to the transmitting core for judging an optical receiving element position and receive optical signals from the transmitting core for judging an optical emitting element position. The feedback control device determines whether the optical receiving element and the optical emitting element are at their respective best positions and, if not, controls the displacement devices to move the optical receiving element and the optical emitting element to their respective best position.

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